

ABSTRACT

A fine-adjustment mechanism for making small adjustments to a cutting angle on a miter saw. The mechanism is used in conjunction with an apparatus that includes a base having at least one recess, and a turntable that supports a cutting tool is rotatably mounted to the base. An angular-adjustment lever is pivotally mounted to the turntable. The angular-adjustment lever includes a first insert proximal to the turntable. The first insert is capable of engaging at least one recess. The fine-adjustment mechanism is mounted to the turntable and includes a fine-adjustment lever pivotally mounted on the turntable. The fine-adjustment lever may include a plurality of notches. A second insert having an opening therethrough is supported by the fine-adjustment lever and adapted to engage at least one recess of the base. A threaded rod supported by the fine-adjustment lever extends through the opening in the second insert. A latch holder may be attached to the fine-adjustment lever. The latch holder contains a spring secured by a retainer plate and a latch having a plurality of protrusions capable of mating with the plurality of notches in the fine-adjustment lever.